

Public meeting to discuss the “Kids vs. Global Warming” Petition

June 13, 2013

Agenda

- Welcome
- TRUST Massachusetts' video 10 min
- Statements from Students from Boston Latin and B.C. Law School 40 min
- Presentation from MassDEP on climate change 20 min
- Questions & comments 15 min
- Next steps 5 min

Massachusetts' Leadership in Addressing Climate Change

- Since 2007 Massachusetts has taken an integrated approach by:
 1. Creating clean energy jobs and business,
 2. Reducing GHG emissions associated with climate change, and
 3. Promoting Energy Efficiency.



Launching the Clean Energy Revolution

- Energy Efficiency
 - #1 in country for energy efficiency for 2 years running
 - Invested more per capita in energy efficiency than any other state
- Solar
 - Already achieved Governor's goal of 250 megawatts by 2017
 - Increasing the goal to 1600 megawatts by 2020
- Wind
 - Have achieved 103 megawatts of Governor's goal of 2,000 megawatts by 2020
 - Wind Blade Testing Facility located in Charlestown, Boston
 - Increase in wind energy both onshore and offshore

2008 Clean Energy Legislation

- **Green Communities Act**
 - Expand Energy Efficiency
 - Expand Renewable Energy program
 - Establish Green Communities Program
- **Global Warming Solutions Act**
 - 2020 limit 25% below 1990 level
 - 2050 limit at least 80% below 1990 level
- **Oceans Management Act**
 - Provides zoning-like planning of state waters
 - Identifies presumptive areas for wind development
- **Clean Energy Biofuels Act**
 - Mandate for advanced biofuels
 - Low Carbon Fuel Standards
- **Green Jobs Act**

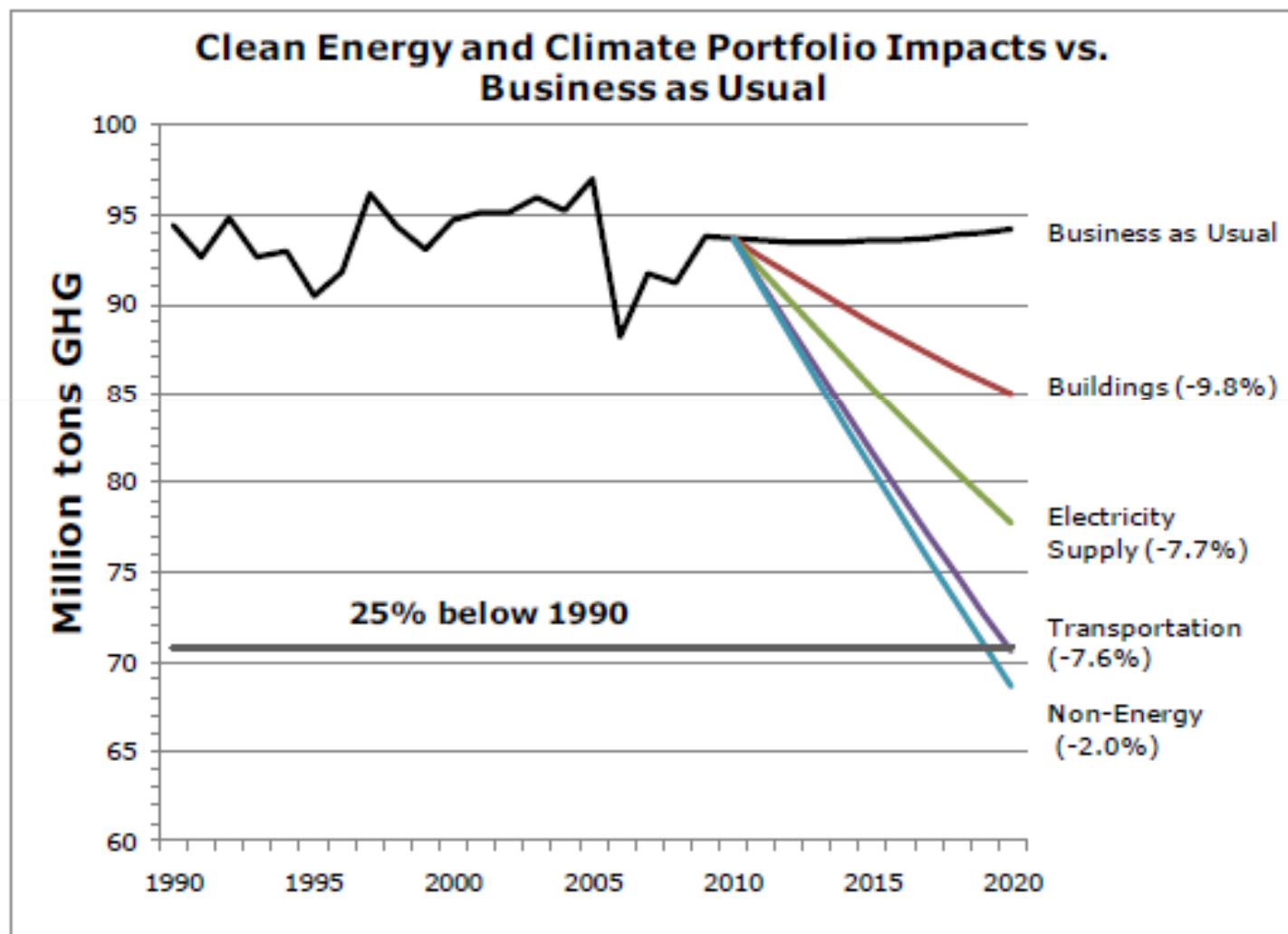
Global Warming Solutions Act (GWSA)

- GWSA requires environmental agencies to:
 - Collaborate with other agencies to reduce GHG emissions to the limits established in the law
 - Adopt a statewide GHG emission reduction limit of 10-25% below 1990 baseline level by 2020 and at least 80% by 2050
 - Create economy-wide “Clean Energy and Climate Plan” to reduce GHG emissions by Jan 1, 2011
 - Establish GHG emissions registry and reporting system
 - Publish an inventory with estimates of GHG emissions on Dec 31, 2010 and every 3 years thereafter
 - Publish 5-year report on GWSA implementation Jan 1, 2014
 - Update 2020 Clean Energy and Climate Plan by Jan 1, 2016

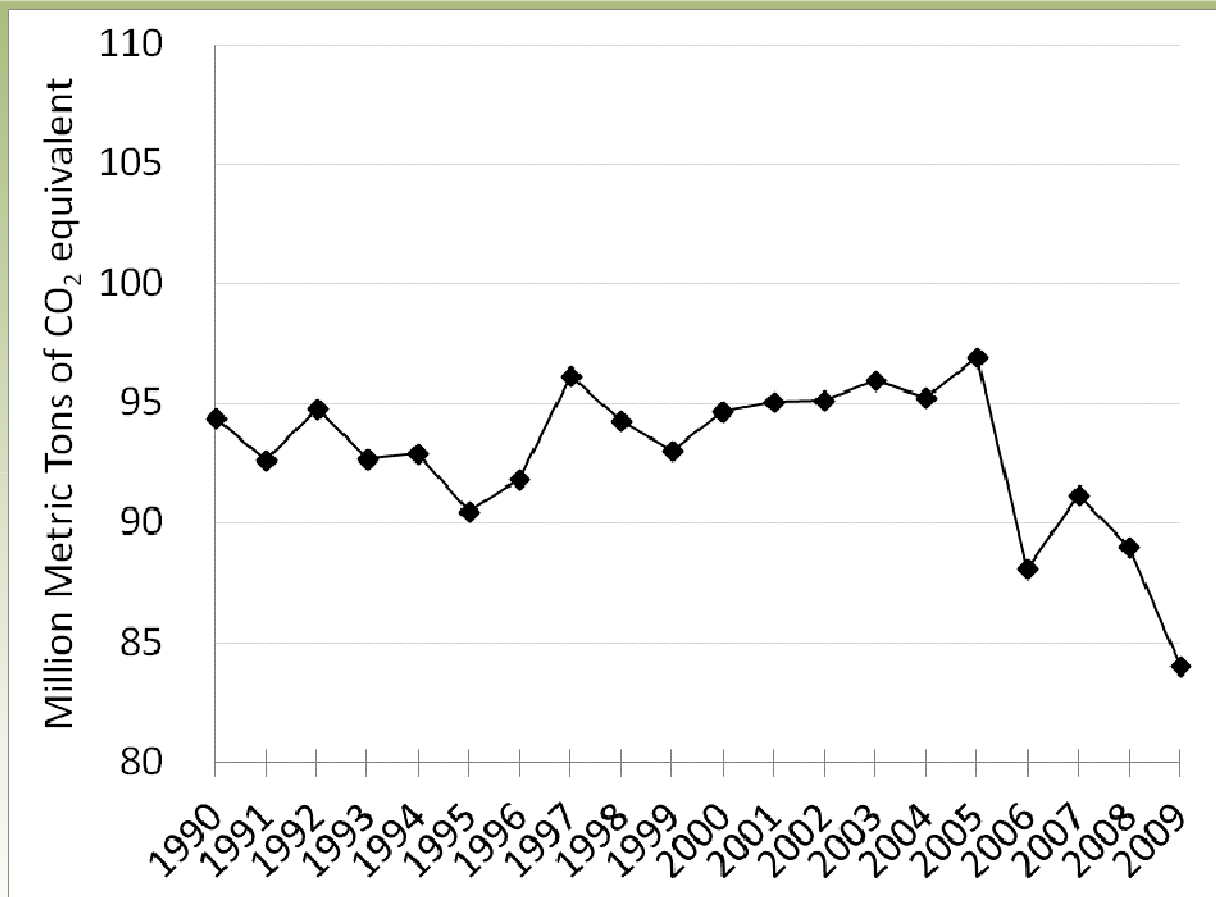
Clean Energy & Climate Plan (CECP)

- In December, 2010, the Massachusetts Executive Office of Energy and Environmental Affairs:
 - Set the 2020 emissions reduction requirement at 25% below 1990 levels; maximum amount authorized by law
 - Issued the *Massachusetts Clean Energy & Climate Plan for 2020* that lays out 28 programs and policies to reduce GHG emissions from 4 sectors to achieve 25% reduction goal by 2020

CECP Approach



Massachusetts GHG emissions



11 % CO₂e emission drop 1990-2009 influenced by many factors including: economy and natural gas prices; weather patterns affecting heating and cooling loads; and state investments in energy efficiency measures.

Regulations and Policies Adopted to Address Climate Change

- Mandatory GHG Reporting Regulations, 310 CMR 7.71
- Massachusetts CO₂ Budget Trading Program, 310 CMR 7.70, Regional Greenhouse Gas Initiative (RGGI)
- Amendments to the Low Emission Vehicle Program, 310 CMR 7.40
- Amendments to the Low Sulfur Fuel Regulations, 310 CMR 7.04
- Massachusetts Electric Vehicle Incentive Program, MassEVIP
- GHG Dashboard
- Clean Energy Results Program
- Tailoring Rule, 310 CMR 7.00: Appendix C(2)(a)1
- Solid Waste Master Plan
- Renewable Energy Portfolio Standards, 225 CMR 14-16

Regulations and Policies to Come

- Amendments to the Regional Greenhouse Gas Initiative, 310 CMR 7.70 (RGGI)
- Prevention of Significant Deterioration Regulations
- Refrigerant System Emissions, 310 CMR 7.73
- SF₆ Regulations, 310 CMR 7.72
- Regulatory Waste Bans
- Studying a Clean Energy Performance Standard
- Transportation Conformity
- Emission Limits and Plans for 2030, 2040 and 2050
- Strategy Tracking Performance Management System

Conclusion

- Massachusetts will continue to be a national leader in addressing climate change
- GWSA enables a unique opportunity to create a cleaner, healthier economy, while preserving our biodiversity and protecting our natural resources
- Implementation will require collaboration amongst diverse stakeholders, both within and outside of state government
- Time is of the essence, and both the challenges and opportunities are historic in scale



Comments & Questions